



Please type a plus sign (+) inside the box →

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/001,393
Filing Date	October 23, 2001
First Named Inventor	A. Vogel
Group Art Unit	
Examiner Name	
Atty. Docket Number	43225.60194USPT

RECEIVED
FEB 07 2002
TC 1200

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
PH	AA	4,543,399		Jenkins III et al.	09-24-1985	
	AB	5,064,802		Stevens et al.	11-12-1991	
I	AC	5,132,380		Stevens et al.	07-21-1992	
	AD	5,153,157		Hlatky et al.	10-06-1992	
M	AE	5,189,192		LaPointe et al.	02-23-1993	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
PH	AF	EP	0 089 691	A2	Union Carbide	09-28-1983		
	AG	EP	0 277 003	A1	Exxon Chemical	08-03-1988		
I	AH	EP	0 520 732	A1	Dow Chemical	12-30-1992		
	AI	EP	0 824 112	A1	Hoechst	02-18-1998		
	AJ	WO	94/25495	A1	Exxon Chemical	11-10-1994		
M	AK	WO	94/28032	A1	BP Chemicals	12-08-1994		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	T ²
	AL		
	AM		
	AN		
	AO		

Examiner Signature		Robert Hund	5-18-04
-----------------------	--	-------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO) Standard St.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Please type a plus sign (+) inside the box →



PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

Sheet 2 of 4

Complete if Known

Application Number 10/001,393
Filing Date October 23, 2001
First Named Inventor
Group Art Unit
Examiner Name A. Vogel
Atty. Docket Number 43225.60194USPT

RECEIVED
FEB 07 2002
TC 1700

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
mt	BA	5,198,401		Turner et al.	03-30-1993	
	BB	5,296,433		Siedle et al.	03-22-1994	
	BC	5,321,106		LaPointe	06-14-1994	
	BD	5,350,723		Neithamer et al.	09-27-1994	
mt	BE	5,425,872		Devore et al.	06-20-1995	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
mt	BF	WO	97/43323	A1	Dow Chemical	11-20-1997		
	BG	WO	97/44371	A1	Dow Chemical	11-27-1997		
	BH	WO	99/15534	A1	Dow Chemical	04-01-1999		
mt	BI	WO	99/42467	A1	Dow Chemical	08-26-1999		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	T ³
	BL		
	BM		
	BN		
	BO		

Examiner Signature *Robert H. ...* 5-15-01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO) Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Please type a plus sign (+) inside the box →



PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/001,393	
			Filing Date	October 23, 2001	
			First Named Inventor	A. Vogel	
			Group Art Unit		
Examiner Name					
Sheet	3	of	4	Atty. Docket Number	43225.60194USPT

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
141	CA	5,427,991		Turner	06-27-1995	
	CB	5,453,410		Kolthammer et al.	09-26-1995	
	CC	5,352,749		DeChellis et al.	10-04-1994	
	CD	5,470,927		Turner et al.	11-28-1995	
	CE	5,470,993		Devore et al.	11-28-1995	
	CF	5,527,929		Timmers et al.	06-18-1996	
	CG	5,721,185		LaPointe et al.	02-24-1998	
	CH	5,883,204		Spencer et al.	03-16-1999	
	CI	5,556,928		Devore et al.	09-17-1996	
	CJ	5,616,664		Timmers et al.	04-01-1997	
	CK	5,624,878		Devore et al.	04-29-1997	
	CL	5,625,087		Devore et al.	04-29-1997	
141	CM	5,626,087		Lompa	05-06-1997	

FOREIGN PATENT DOCUMENTS									1
EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹	
		Office ³	Number ⁴	Kind Code ² (if known)					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	T ²	
	CN			
	CO			
	CP			

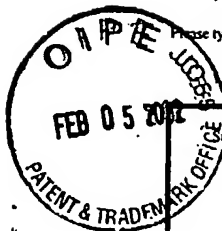
Examiner Signature		<i>Michael Hall</i>	5-18-04
-----------------------	--	---------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO) Standard St.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



Please type a plus sign (+) inside the box →



PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/001,393
				Filing Date	October 23, 2001
				First Named Inventor	A. Vogel
				Group Art Unit	
				Examiner Name	
Sheet	4	of	4	Atty. Docket Number	43225.60194USPT

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MM	DA	5,643,847		Walzer, Jr.	07-01-1997	
	DB	5,763,547		Kolthammer et al.	06-09-1998	
	DC	5,783,512		Jacobsen et al.	07-21-1998	
MM	DD	5,919,983		Rosen et al.	07-06-1999	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) Date, page(s), volume-issue number(s),	T ³

Examiner Signature		<i>Robert H. [Signature]</i>	5-18-04
-----------------------	--	------------------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO) Standard St.3. ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08A(8B) (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 1				Complete if Known	
				Application Number	10/001,393
				Filing Date	10/23/2001
				First Named Inventor	Vogel
				Group Art Unit	1754
				Examiner Name	
				Attorney Docket Number	43225.60194USPT

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
mt	AA	US-5,587,439 A	12/24/1996	DiMaio	
mt	AB	US-6,040,261 A	03/21/2000	Hlatky	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

RECEIVED
JUL 8 - 2002
TC 1700

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ² - Kind Code ⁵ (if known)				
mt	AC	WO 98/03521 A	01/29/1998	Symyx Technologies		
mt	AD	WO 98/09913 A	03/12/1998	University of MA		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	AE	Search Report, mailed 6/10/2002.	
mt	AF	HIRD et al., Solid Phase Synthesis of 2-Aminobutadienes Using a Piperazine Linker, <i>Tetrahedron Letters</i> , 1997, pp. 7111-7114, Vol. 38, No. 40, Elsevier Science Publishers, Amsterdam NL.	

Examiner Signature	<i>Robert Stahl</i>	Date Considered	5-18-04
-----------------------	---------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.